

**From:** [Schofield, Susan](#)  
**To:** [Zeno, Denise](#)  
**Cc:** [Delano, Frances](#); [Mishkin, Katherine](#)  
**Subject:** RE: Cabo ROjo update/status  
**Date:** Tuesday, July 09, 2013 9:52:15 AM

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Buenos días Denise,

Here is our current status:

- At MW-9R we finally hit competent bedrock at about 105 feet bgs and set the surface casing. Because of the short week last week and the need to secure the area and equipment, that's about all we completed last week.
- We are now drilling toward 200 feet at MW-9R. The part of the borehole that was cased was the most productive for water (in fact, it had lots of water). The lower part of the hole is pretty dry so far. We'll see what we get as we approach 200 feet.
- We would like to consider putting in a shallow bedrock well at this location – our FTL noted a clear water zone at +/- 60 to 65 feet bgs. I think this would be a good depth to screen since this well is located to monitor any contamination coming from PRIDCO East (only about a block upgradient of MW-9R). We were unable to put in a shallow overburden well at this location because the bedrock is so shallow. Let me know if you want to discuss this shallow bedrock well.
- Drilling is slower and more challenging than we expected, which means budget impacts. I am currently evaluating where we stand with the budget and will let you know details later today, Denise.

Other items: Tropical storm Chantal is approaching Puerto Rico from the southeast. Currently the storm is scheduled to have the most impact on the Cabo Rojo area and is expected to hit tomorrow and into Thursday. Up to 65 mile an hour winds are predicted, along with lots of rain. Our FTL has already secured everything around our trailer area and will be securing the drilling equipment at the end of the day today. If the storm tracks further toward the north, the impacts could be more substantial.

Susan

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**From:** Zeno, Denise [mailto:[Zeno.Denise@epa.gov](mailto:Zeno.Denise@epa.gov)]  
**Sent:** Tuesday, July 09, 2013 7:20 AM  
**To:** Schofield, Susan  
**Cc:** Delano, Frances; Mishkin, Katherine  
**Subject:** RE: Cabo ROjo update/status

Hi, Susan

Sorry about the delay in getting back to you. Our email system "Outlook" has not been working properly for over a week.

In the future, please cc Katy Mishkin in anything related to the hydrogeology of the site. Please provide us with an update on this matter and let us know if you still need an answer. thanks Denise

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**From:** Schofield, Susan  
**Sent:** Tuesday, July 02, 2013 9:19 AM  
**To:** Zeno, Denise  
**Cc:** Delano, Frances  
**Subject:** Cabo ROjo update/status

Buenos días Denise,

Yesterday we started drilling at the MW-9R location. We drilled to 76 feet and had somewhat similar geology to the first hole (MW-8R) but the rock is a little more competent and the hole is staying open instead of collapsing around the hammer/drill pipe. We did not hit enough competent bedrock to install the casing. We will continue drilling today and see what we get – if we hit competent bedrock we will set the casing before we continue to drill to 200 feet.

If we get to 200 feet (or close to it) without hitting competent bedrock, we should consider completing the hole as a single screen monitoring well (we have the required materials at the site).

If we select this option, do you want your hydro to be involved with selecting the screen depth? I would suggest a screen not more than 100 feet deep because this well is intended to monitor for contamination coming from PRIDCO East, which is only a block or two away. They hit water at about 27 feet at this location. Do you know if Katy Mishkin is working this week and would like to be involved in the decisions to be made?

If we are going to complete this as a single screen well, we will need to have the screen/casing in the ground by the end of the day tomorrow since this is the short holiday week.

Susan

**Susan E. Schofield, P.G.**

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